Performance Data Sheet

RGA5485EXD

General Information

Model	RGA5485EXD	**Refrigerant**	R-22
Test Condition	ASHRAE	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	2730	2520					
	Watts	387	431					
	Amps	1.83	2.00					
	Lb/h	35.0	33.9					
-10	Btu/h	3240	3040	2770				
	Watts	407	451	492				
	Amps	1.89	2.06	2.23				
	Lb/h	41.4	40.5	38.8				
-5	Btu/h	3760	3560	3300	2990			
	Watts	423	468	511	551			
	Amps	1.93	2.12	2.30	2.46			
	Lb/h	47.8	47.1	45.6	43.4			
0	Btu/h	4290	4090	3830	3520	3180		
	Watts	437	483	527	569	612		
	Amps	1.97	2.17	2.36	2.54	2.71		
	Lb/h	54.2	53.8	52.5	50.5	48.0		
5	Btu/h	4850	4640	4370	4050	3710		
	Watts	449	496	541	585	630		
	Amps	2.01	2.21	2.41	2.61	2.80		
	Lb/h	60.9	60.6	59.4	57.6	55.3		
10	Btu/h	5440	5210	4930	4600	4250	3880	3520
	Watts	457	505	552	599	646	695	745
	Amps	2.03	2.25	2.46	2.67	2.87	3.08	3.29
	Lb/h	67.9	67.7	66.6	64.8	62.6	60.2	57.8
15	Btu/h	6070	5830	5520	5180	4810	4420	4040
	Watts	462	513	562	611	661	712	767
	Amps	2.04	2.27	2.50	2.72	2.94	3.17	3.40
	Lb/h	75.3	75.1	74.0	72.3	70.2	67.9	65.6
20	Btu/h	6760	6480	6150	5780	5390	4980	4580
	Watts	464	517	569	621	674	729	787
	Amps	2.05	2.29	2.53	2.77	3.00	3.25	3.50
	Lb/h	83.3	83.0	81.9	80.2	78.1	75.8	73.5

25	Btu/h	7510	7200	6830	6430	6000	5570	5140
	Watts	463	518	573	628	685	743	806
	Amps	2.04	2.30	2.55	2.80	3.06	3.32	3.59
	Lb/h	91.9	91.6	90.4	88.6	86.5	84.1	81.8
30	Btu/h	8330	7980	7570	7130	6670	6200	5740
	Watts	459	517	575	633	694	756	823
	Amps	2.02	2.29	2.56	2.83	3.10	3.38	3.67
	Lb/h	101	101	99.5	97.6	95.4	92.9	90.5
35	Btu/h	9230	8830	8380	7890	7380	6870	6370
	Watts	452	513	574	636	700	768	839
	Amps	1.99	2.27	2.56	2.84	3.13	3.43	3.74
	Lb/h	112	111	109	107	105	102	99.8
40	Btu/h	10200	9760	9260	8720	8160	7600	7050
	Watts	441	505	570	636	705	777	854
	Amps	1.95	2.25	2.54	2.84	3.15	3.47	3.80
	Lb/h	123	122	120	118	115	112	110
45	Btu/h	11300	10800	10200	9630	9010	8400	7800
	Watts	426	495	564	634	708	785	867
	Amps	1.89	2.20	2.52	2.84	3.16	3.50	3.85
	Lb/h	135	134	132	129	126	123	120
50	Btu/h	12500	11900	11300	10600	9950	9270	8610
	Watts	408	481	554	630	708	791	878
	Amps	1.82	2.15	2.48	2.81	3.16	3.52	3.89
	Lb/h	149	147	145	142	139	135	132
55	Btu/h	13800	13200	12400	11700	11000	10200	9500
	Watts	387	464	542	622	706	794	888
	Amps	1.74	2.08	2.43	2.78	3.15	3.52	3.92
	Lb/h	164	162	159	156	152	148	145

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.962995E+03	-1.121966E+02	-4.197515E-01	1.906504E+00
C2	1.290828E+02	3.062985E+00	-6.889020E-05	1.146144E+00
C3	9.059821E+01	1.003746E+01	4.303625E-02	1.523943E+00
C4	1.540000E+00	-1.077542E-01	-2.283004E-04	1.278879E-02
C5	-3.812028E-01	-3.205712E-02	-2.271628E-05	1.082900E-03
C6	-9.648124E-01	-5.197865E-02	-2.091396E-04	-1.361932E-02
C7	1.228932E-02	-9.634643E-05	-7.693909E-07	1.476470E-04
C8	-1.304716E-02	6.305714E-04	7.774874E-07	-1.074789E-04
C9	1.567459E-03	3.167711E-04	1.420945E-06	1.199578E-05
C10	2.453403E-03	1.550047E-04	5.655922E-07	3.434928E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature